

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: August 25, 2002, 05:09:06 ; Search time 48.4 Seconds  
(without alignments)  
5440.478 Million cell updates/sec

Title: US-09-811-118-2  
Perfect score: 1072  
Sequence: 1 GACGCGCGCACCTCCGAC.....TTGCATCCACATGATTTC 1072

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_NA:\*

1: /cgn2\_6/ptodata/2/1na/5A.COMB.seq:\*\*  
2: /cgn2\_6/ptodata/2/1na/5B.COMB.seq:\*\*  
3: /cgn2\_6/ptodata/2/1na/6A.COMB.seq:\*\*  
4: /cgn2\_6/ptodata/2/1na/6B.COMB.seq:\*\*  
5: /cgn2\_6/ptodata/2/1na/PCTUS.COMB.seq:\*\*  
6: /cgn2\_6/ptodata/2/1na/Backfile1.seq:\*\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1072	100.0	1072	4	US-09-088-549-2
2	78	7.3	832	1	US-08-473-496-1
3	78	7.3	832	1	Sequence 1, Appl
4	78	7.3	832	5	US-08-454-028-3
5	78	7.3	832	5	PCT-US94-05388-3
6	78	7.3	832	5	PCT-US95-09121-1
7	48.8	4.6	681	6	PCT-US96-07496-3
8	45.8	4.3	900	3	5187078-24
9	43.2	4.0	1719	3	US-09-248-335-61
10	43.2	4.0	1719	3	US-09-008-481A-4
11	43.2	4.0	1719	4	US-09-195-666A-18
12	43.2	4.0	2096	3	US-09-309-592-4
13	43.2	4.0	2096	3	US-09-008-481A-10
14	43.2	4.0	2096	3	US-09-195-666A-16
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16	41	3.8	934	4	US-08-804-227C-1
17	39.8	3.7	13842	4	US-09-248-335-55
18	39.8	3.7	30001	1	US-09-105-537-30
19	39.8	3.7	30001	1	US-08-125-468-1
20	39.8	3.7	36778	4	US-08-474-933-1
21	39.6	3.7	38506	2	US-09-105-537-5
22	39.6	3.7	1560	2	US-09-320-878-19
23	39.6	3.7	1560	2	US-08-752-891-1
24	39.6	3.7	1560	2	US-08-752-891-5
25	39.6	3.7	1560	2	US-09-144-178-1
26	39.6	3.7	1560	2	US-09-144-178-5
27	39.6	3.7	1560	3	US-09-406-854-1
					US-09-406-854-5

28	38.4	3.6	1144	1	US-08-014-943A-1	Sequence 1, Appl
29	38.4	3.6	1144	1	US-08-486-421-2	Sequence 2, Appl
30	38.4	3.6	1144	1	US-08-470-911-2	Sequence 2, Appl
31	38.4	3.6	1144	2	US-08-486-809-2	Sequence 2, Appl
32	38.4	3.6	2793	1	US-08-209-747-1	Sequence 1, Appl
33	38.4	3.6	2793	1	US-08-458-298-1	Sequence 1, Appl
34	38.2	3.6	1185	3	US-09-023-339-3	Sequence 3, Appl
35	38.2	3.6	1260	3	US-09-023-173-5	Sequence 5, Appl
36	38.2	3.6	1308	3	US-09-023-173-10	Sequence 10, Appl
37	38.2	3.6	1308	3	US-09-023-339-6	Sequence 6, Appl
38	38	3.5	666	4	US-08-998-416-995	Sequence 995, App
39	37.8	3.5	707	4	US-08-998-416-1093	Sequence 1093, Ap
40	37.8	3.5	1272	3	US-09-036-987A-28	Sequence 28, Appl
41	37.8	3.5	1272	4	US-09-370-700-28	Sequence 28, Appl
42	37.8	3.5	36519	3	US-08-923-137-2	Sequence 2, Appl
43	37	3.5	6660	2	US-08-771-602D-1	Sequence 1, Appl
44	37	3.5	6660	4	US-09-232-446B-1	Sequence 1, Appl
45	36.8	3.4	987	4	US-09-159-106-12	Sequence 12, Appl

## ALIGNMENTS

RESULT 1  
US-09-088-549-2  
; Sequence 2, Application US/09088549  
; Patent No. 6231853  
; GENERAL INFORMATION:  
; APPLICANT: HILLMAN, JENNIFER L.  
; APPLICANT: CORLEY, NEIL C.  
; APPLICANT: PATTERSON, CHANDRA  
; TITLE OF INVENTION: HUMAN GLUTATHIONE PEROXIDASE-6  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows  
; SOFTWARE: FastSeq for Windows Version 2.0b  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/088,549  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Certone, Michael C  
; REGISTRATION NUMBER: 39,132  
; REFERENCE/DOCKET NUMBER: PF-0530 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-855-0555  
; TELEFAX: 650-855-0572  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1072 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: PROSNOT20  
; CLONE: 1817518  
; US-09-088-549-2

Query Match 100.0%; Score 1072; DB 4; Length 1072;

Best Local Similarity 100.0%; Pred. No. 2,7e-292;  
Matches 1072; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 CCTGTGGGCTGCGGCTCGCGCGAGCAGAGACTTCTACGACTTTCAGAGCGGTCAA 120
Db 61 CCTGTGGGCTGCGGCTCGCGCGAGCAGAGACTTCTACGACTTTCAGAGCGGTCAA 120
QY 121 CATCCGGGGGCAAACTGTGTGCTGAGAGTACCGCGGATCGTGTCCCTGGTGA 180
Db 121 CATCCGGGGGCAAACTGTGTGCTGAGAGTACCGCGGATCGTGTCCCTGGTGA 180
QY 181 TGTGGCCAGGAGTGGCGCTTACAGACGACACTACCGAGCCCTGGAGAGCTGACGG 240
Db 181 TGTGGCCAGGAGTGGCGCTTACAGACGACACTACCGAGCCCTGGAGAGCTGACGG 240
QY 241 AGACCTGGGCCCCCACCACCTTCAACGTCGCTCCCTCCGCAACCAAGTTTGGCA 300
Db 241 AGACCTGGGCCCCCACCACCTTCAACGTCGCTCCCTCCGCAACCAAGTTTGGCA 300
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Db 301 GGACCTGACAGCAGCAGAGAGATTTGAGAGCTTGGCTCCGCACTTACGTCGAT 360
QY 361 CCCCATGTTTACAGAAATTCAGTACACGCTGCTGCTCCCTCCGCAACCAAGTTT 420
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QY 421 GGCCCAAGCTTGTGGAAGAGCCCACTGGAATCTTGAAGTACCTAGTACGCCA 480
Db 421 GGCCCAAGCTTGTGGAAGAGCCCACTGGAATCTTGAAGTACCTAGTACGCCA 480
QY 481 TGGAAAGTGTGGGGCTTGGAGCCCACTGCTGCTGCTGAGAGAGTCCAGACTCC 540
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QY 541 CACAGCGCTGTGAGAGAGTCACTCTACTAGTAAAGCAGAGACTTAAACACCGCT 600
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QY 781 GAACTCCTGSCCAATGAGAGCTTGTGACAGTGAATCACCAGCGGATGAGAGCT 840
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QY 841 CAACAAAAATGTGTGGCAATAGATATCAAGCAATATCTCCACCAAGGCTTCT 900
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Db 1021 AAACCAAAAAATTAATTTATCAATAAAACTTGATCCACATGATTTTC 1072

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RESULT 2
US-08-473-496-1
; Sequence 1, Application US/08473496
; Patent No. 5700660
; GENERAL INFORMATION:
; APPLICANT: Jack L. Leonard
; TITLE OF INVENTION: POSITIONAL CONTROL OF SELENIUM INSERTION
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; OPERATING SYSTEM: MS-DOS (Version 5.0)
; SOFTWARE: Wordperfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/473,496
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/277,492
; FILING DATE: 19-JUL-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/066,680
; FILING DATE: 24-MAY-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Fasse, J. Peter
; REGISTRATION NUMBER: 32,983
; REFERENCE/DOCKET NUMBER: 04020/078001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 832 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-08-473-496-1
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Query Match 7.3%; Score 78; DB 1; Length 832;

Best Local Similarity 61.2%; Pred. No. 1.7e-12;  
Matches 126; Conservative 0; Mismatches 80; Indels 0; Gaps 0;

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Db 74 CCGCGGGGAGCTGTGAGCTGTGCTCCCTGCGGGGCAAGTCTTATTCAGATATGT 133
QY 184 GGCAGGAGTGTGCGCTTCACAGACGACACTACAGCCCTGACAGCTGACGAGAGA 243
Db 134 GCGGTCTCCTTGTGAGGACACGCGTCCGGGACTACACCCAGATGAAGAGCTGAGCGGG 193
QY 244 CTTGGGCCCCCACCACCTTCAACGTGCTGCTCCCTCCCTGCAACCAATTTGGCCACAGAGA 303
Db 194 CTTGGGCCCCGCGGCTGTGTGTGCTGCTGCGCTTCCGTCACCAAGTGTGGGATCAGGA 253
QY 304 GCCTGACAGCAACAAGAGATTCAGA 329
Db 254 GAAGGCCAAGAGCAAGAGATTCAGA 279
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;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Fish & Richardson P.C.  
;; STREET: 225 Franklin Street  
;; CITY: Boston  
;; STATE: Massachusetts  
;; COUNTRY: U.S.A.  
;; ZIP: 02110-2804  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
;; COMPUTER: IBM PS/2 Model 502 or  
;; OPERATING SYSTEM: MS-DOS (Version 5.0)  
;; SOFTWARE: WordPerfect (Version 5.1)  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: PCT/US95/09121  
;; FILING DATE: 19 July 1995  
;; CLASSIFICATION:  
;; PRIORITY APPLICATION DATA:  
;; APPLICATION NUMBER: 08/277,492  
;; FILING DATE: 19 July 1994  
;; PRIORITY APPLICATION DATA:  
;; APPLICATION NUMBER: 08/473,496  
;; FILING DATE: 7 June 1995  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Clark, Paul T.  
;; REGISTRATION NUMBER: 30,162  
;; REFERENCE/DOCKET NUMBER: 04020/078W01  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617) 542-5070  
;; TELEFAX: (617) 542-8906  
;; TELEX: 200154  
;; INFORMATION FOR SEQ ID NO: 1:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 832 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: DNA  
PCT-US95-09121-1

Query Match 7.3%; Score 78; DB 5; Length 832;  
Best Local Similarity 61.2%; Pred. No. 1.7e-12;  
Matches 126; Conservative 0; Mismatches 80; Indels 0; Gaps 0;

QY 124 CCGGGGCAAACTGTCCTGAGAGTAACCGGATCGTCCCTGGTGAATGT 183  
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QY 184 GGCACAGAGTGGGCTTACAGACCACTACGAGCCCTGACAGAGCTGCAGGAGA 243  
DB 134 GGGTCCCTCTGTAGAGCAAGTCCGGGACTACACCCAGATGAAGAGCTGCAGCGCG 193  
QY 244 CCGGGGCCCCCACTTCAAGTGTGCTGCCCTCCCTGCAACCAATTTGGCCCAAGAGA 303  
DB 194 CCGGAGCCCCGGGGCTGTGTGCTGCTGCGCTCCCGTCAACCAATTTGGGCATCAGA 253  
QY 304 GCCTGACAGCAACAAGAGATTGAGA 329  
DB 254 GAACGCCAAGAAGAGATTGAGA 279

RESULT 6  
PCT-US96-07496-3  
; Sequence 3, Application PC/TUS9607496  
; GENERAL INFORMATION:  
; APPLICANT: University of Massachusetts Medical Center  
; TITLE OF INVENTION: POST-TRANSCRIPTIONAL GENE REGULATION BY  
; NUMBER OF SEQUENCES: 33  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson P.C.

;; STREET: 225 Franklin Street  
;; CITY: Boston  
;; STATE: Massachusetts  
;; COUNTRY: U.S.A.  
;; ZIP: 02110-2804  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
;; COMPUTER: IBM PS/2 Model 502 or 55SX  
;; OPERATING SYSTEM: MS-DOS (Version 5.0)  
;; SOFTWARE: WordPerfect (Version 5.1)  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: PCT/US96/07496  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIORITY APPLICATION DATA:  
;; APPLICATION NUMBER: 08/454,028  
;; FILING DATE: May 30, 1995  
;; CLASSIFICATION:  
;; PRIORITY APPLICATION DATA:  
;; APPLICATION NUMBER: 08/066,680  
;; FILING DATE: May 24, 1993  
;; CLASSIFICATION:  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Fasse, J. Peter  
;; REGISTRATION NUMBER: 32,983  
;; REFERENCE/DOCKET NUMBER: 04020/075W01  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617) 542-5070  
;; TELEFAX: (617) 542-8906  
;; TELEX: 200154  
;; INFORMATION FOR SEQ ID NO: 3:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 832 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: DNA  
PCT-US96-07496-3

Query Match 7.3%; Score 78; DB 5; Length 832;  
Best Local Similarity 61.2%; Pred. No. 1.7e-12;  
Matches 126; Conservative 0; Mismatches 80; Indels 0; Gaps 0;

QY 124 CCGGGGCAAACTGTCCTGAGAGTAACCGGATCGTCCCTGGTGAATGT 183  
DB 74 CGCGGGGAGCCTGTAGAGCTGGGCTCCCGCGGGCAAGTACTTATGAGATGT 133  
QY 184 GGCACAGAGTGGGCTTACAGACCACTACGAGCCCTGACAGAGCTGCAGGAGA 243  
DB 134 GGGTCCCTCTGTAGAGCAAGTCCGGGACTACACCCAGATGAAGAGCTGCAGCGCG 193  
QY 244 CCGGGGCCCCCACTTCAAGTGTGCTGCCCTCCCTGCAACCAATTTGGCCCAAGAGA 303  
DB 194 CCGGAGCCCCGGGGCTGTGTGCTGCTGCGCTCCCGTCAACCAATTTGGGCATCAGA 253  
QY 304 GCCTGACAGCAACAAGAGATTGAGA 329  
DB 254 GAACGCCAAGAAGAGATTGAGA 279

RESULT 7  
5187078-24  
; Patent No. 5187078  
; APPLICANT: OHYA, MASAMI;MIZOGUCHI, JUNZO;ONOZAWA, TAKASHI  
; AND APPLICATION OF THE SAME  
; TITLE OF INVENTION: PLASMA-TYPE GLUTATHIONE PEROXIDASE GENE  
; NUMBER OF SEQUENCES: 24  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/540,115  
; FILING DATE: 19-JUN-1990  
; SEQ ID NO:24:  
; LENGTH: 681





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1  APPLICANT: TANAI, Madoka
2  APPLICANT: TORIGOE, Rakuji
3  APPLICANT: KURIMOTO, Masashi
4  TITLE OF INVENTION: DNA CODING FOR MAMMALIAN L-
5  TITLE OF INVENTION: ASPARAGINASE
6  NUMBER OF SEQUENCES: 19
7  CORRESPONDENCE ADDRESS:
8  ADDRESSEE: BROWDY AND NEIMARK
9  STREET: 419 Seventh Street N.W., Ste. 300
10 CITY: Washington
11 STATE: D.C.
12 COUNTRY: United States of America
13 ZIP: 20004
14 COMPUTER READABLE FORM:
15 MEDIUM TYPE: Floppy disk
16 COMPUTER: IBM PC compatible
17 OPERATING SYSTEM: PC-DOS/MS-DOS
18 SOFTWARE: PatentIn Release #1.0, Version #1.30
19 CURRENT APPLICATION DATA:
20 APPLICATION NUMBER: US/09/008,481A
21 FILING DATE: 16-JAN-1998
22 PRIOR APPLICATION DATA:
23 APPLICATION NUMBER: US 08/598,369
24 FILING DATE: 08-FEB-1996
25 PRIOR APPLICATION DATA:
26 APPLICATION NUMBER: JP 95-42564
27 FILING DATE: 08-FEB-1995
28 ATTORNEY/AGENT INFORMATION:
29 NAME: YUN, Allen C.
30 REGISTRATION NUMBER: 37,981
31 REFERENCE/DOCKET NUMBER: ARIO-1A
32 TELECOMMUNICATION INFORMATION:
33 TELEPHONE: (202) 628-5197
34 TELEFAX: (202) 737-3528
35 INFORMATION FOR SEQ ID NO: 10:
36 SEQUENCE CHARACTERISTICS:
37 LENGTH: 2096 base pairs
38 TYPE: nucleic acid
39 STRANDEDNESS: double
40 TOPOLOGY: linear
41 MOLECULE TYPE: CDNA
42 FEATURE:
43 NAME/KEY: CDS
44 LOCATION: 20..1714
45 US-09-008-481A-10

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RESULT 13  
US-09-195-666A-16/c  
; Sequence 16, Application US/09195666A  
; Patent No. 6140101  
; GENERAL INFORMATION:





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QY 107 TTCAGGCGGTCACATCCGGGGCAAACTGTGTCTGAGAGTACCGGATCGGTG 166
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Db 24477 GACCTGGGCTTCACTCGGTGAGGGGCTGAGCTGCGAACCCTGAAGAGGGGAGG 24536
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QY 167 TCCCTGGTGTGAATGTGGCCAGAGTCCGGCTTACAGACCAGCACTACCGAGCCCTG 226
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Db 24537 GGAATCCGGCTGAGGTGTCTTGTGTCGACACCCGAGCCGGCTCCCTCGCCCGG 24596
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QY 227 CAGCAGCTGCAGCGAGACCTGGGCC 251
    | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 24597 CATCTCTGTGATCTCGCCCTCGGCC 24621
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Search completed: August 25, 2002, 06:12:05  
 Job time: 3779 sec

